

ENHANCE MOBILITY OF A BLUETOOTH HEADSET BEYOND THE REACH  
SUPPORTED BY BLUETOOTH

ABSTRACT OF THE DISCLOSURE

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10 A communications system such as a local area data  
15 network is equipped with a plurality of access points each  
capable of emulating either a phone mated with a wireless  
headset, the wireless headset, or both and establishing a  
link between access points emulating the phone and the  
headset. When the phone is within range of an access point  
and the wireless headset moves out of range with the phone  
but within range of an access point, the access point  
within range of the phone emulates the headset, the access  
point within range of the headset emulates the phone, and a  
communications path is established (if necessary) between  
the access points. In this manner, the effective range of  
the headset with respect to the associated phone is  
extended beyond a distance limit for a wireless  
20 communications protocol, such as Bluetooth, employed for  
the headset and phone.